

Raghavendra Tewari

List of Publications by Year in descending order

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papers

449
citations

933264

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all docs

22
docs citations

22
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of the Laves Phase in Nb-Ti-Cr-Si-X-Based Alloys. Transactions of the Indian Institute of Metals, 2022, 75, 931.	0.7	1
2	Microstructural and Micro-Analysis of Zirconium: Stainless Steel alloys for Radioactive Metallic Waste Management. Transactions of the Indian Institute of Metals, 2022, 75, 1043-1050.	0.7	0
3	Molten Salt Compatibility of a Ni-Cr-Mo-Ti Alloy Developed Indigenously for the Indian MSBR. Transactions of the Indian Institute of Metals, 2022, 75, 1075-1082.	0.7	0
4	Orientation-dependent solid solution strengthening in zirconium: a nanoindentation study. Journal of Materials Science, 2020, 55, 4493-4503.	1.7	3
5	Short-term corrosion behavior of Indian RAFM steel in liquid Pb-Li: Corrosion mechanism and effect of alloying elements. Journal of Nuclear Materials, 2019, 520, 208-217.	1.3	15
6	ParA proteins of secondary genome elements cross-talk and regulate radioresistance through genome copy number reduction in <i>Deinococcus radiodurans</i> . Biochemical Journal, 2019, 476, 909-930.	1.7	13
7	Gallium-assisted diffusion bonding of stainless steel to titanium; microstructural evolution and bond strength. Materialia, 2018, 4, 115-126.	1.3	16
8	Corrosion of an India produced RAFM steel in flowing lead-lithium eutectic. Fusion Engineering and Design, 2017, 125, 269-276.	1.0	12
9	Preparation of Ag@mSiO ₂ and Pt@mSiO ₂ nano composites using trioctylmethyl ammonium hydrogen phthalate (TOMAHP) ionic liquid as reaction medium. Materials Chemistry and Physics, 2016, 181, 209-216.	2.0	0
10	Welding of Mo-Based Alloy Using Electron Beam and Laser-GTAW Hybrid Welding Techniques. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1143-1152.	1.1	23
11	FtsZDr, a tubulin homologue in radioresistant bacterium <i>Deinococcus radiodurans</i> is characterized as a GTPase exhibiting polymerization/depolymerization dynamics in vitro and FtsZ ring formation in vivo. International Journal of Biochemistry and Cell Biology, 2014, 50, 38-46.	1.2	16
12	Preparation of Nano-Structured RDX in a Silica Xerogel Matrix. Propellants, Explosives, Pyrotechnics, 2013, 38, 515-519.	1.0	14
13	Fracture behavior of Alloy 625 with different precipitate microstructures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 574, 86-93.	2.6	46
14	Observation of intermediate bands in Eu ³⁺ doped YPO ₄ host: Li ⁺ ion effect and blue to pink light emitter. AIP Advances, 2012, 2, .	0.6	84
15	Synthesis, Characterization and Photocatalytic H ₂ Generation Over Ternary Indium Titanate Nanoparticles. Journal of Nanoscience and Nanotechnology, 2012, 12, 1957-1966.	0.9	8
16	Luminescence properties of Eu ³⁺ doped CaMoO ₄ nanoparticles. Dalton Transactions, 2011, 40, 7595.	1.6	149
17	Correlation of compaction pressure, green density, pore size distribution and sintering temperature of a nano-crystalline 2Y-TZP-Al ₂ O ₃ composite. Ceramics International, 2011, 37, 731-739.	2.3	9
18	Surface chemistry of surfactant AOT-stabilized SnO ₂ nanoparticles and effect of temperature. Journal of Colloid and Interface Science, 2010, 349, 27-33.	5.0	24

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19	Microstructural characterization of multicomponent Nb-Ti-Si-Cr-Al-X alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 2669-2682.	1.1	13
20	Study on Recrystallization Behavior of Nb-1Zr-0.1C Alloy. Materials Science Forum, 0, 702-703, 631-634.	0.3	1
21	Effects of Grain Orientations on Nanoindentation Behavior in Hexagonal Zirconium. Materials Science Forum, 0, 702-703, 311-314.	0.3	2